

ABSTRACT

[0156] A method for designing an integrated circuit where the integrated circuit includes a plurality of modules and where each module includes an initiator port and a target port coupled to a distributed routing network. The initiator port is implemented by configuring whether the initiator or the distributed routing network is responsible for ordering responses to requests issued by the initiator port and defining the maximum number of requests that are permitted to be outstanding at the same time. The initiator port is further configured to define whether a delay stage is required in said initiator port. The distributed routing network is defined by the number of routing resources between the initiator and the target, an arbitration method for arbitrating between requests and an association between the routing resources and the targets.